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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/284,735	04/19/1999	KOJI HANAOKA	445-272P	2726

2292 7590 09/30/2002

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EXAMINER

GUARRIELLO, JOHN J

ART UNIT	PAPER NUMBER
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1771

DATE MAILED: 09/30/2002

15

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No. 09/284735	Applicant(s) Hanaka et al.
Examiner John Geanelli	Group Art Unit 1721

— The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address —

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- ☒ Responsive to communication(s) filed on 5/10/2002
- ☐ This action is **FINAL**.
- ☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- ☒ Claim(s) 20-28 is/are pending in the application.
- ☐ Of the above claim(s) is/are withdrawn from consideration.
- ☐ Claim(s) is/are allowed.
- ☒ Claim(s) 20-28 is/are rejected.
- ☐ Claim(s) is/are objected to.
- ☐ Claim(s) are subject to restriction or election requirement

Application Papers

- ☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.
- ☐ The drawing(s) filed on _____ is/are objected to by the Examiner
- ☐ The specification is objected to by the Examiner.
- ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119 (a)-(d)

- ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)-(d).
- ☐ All ☐ Some* ☐ None of the:
 - ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a))

*Certified copies not received: _____

Attachment(s)

- ☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____
- ☐ Interview Summary, PTO-413
- ☒ Notice of Reference(s) Cited, PTO-892
- ☐ Notice of Informal Patent Application, PTO-152
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Other. _____

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DETAILED ACTION

15. The Examiner acknowledges paper # 14 the extension of time and the RCE of 5/10/2002.

Claim Rejections - 35 USC § 103

16. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

17. Claims 20-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over JP-61-110 8700 in view of Lohr et al. 4,347,151.

JP'700 describes a wiping cleaner (corresponding to a detergent impregnated article) which is an impregnated web (e.g. paper or unwoven cloth) with a detergent composition, (see abstract). JP'700 describes the detergent composition made of silicone oil, 0.1-10 wt. %, 30-89.6 wt. % water, vegetable gum for retaining water, surfactants, among other components, (see abstract). JP'700 describes the wiping cleaner is effective for cleaning

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domestic or industrial goods, and for protecting a cleaned surface, (see abstract). JP'700 differs from the claimed invention because it is silent about the abrasive particles and the amount.

Lohr describes a cleaner polish composition with water, surfactant, (column 2, lines 10-46), and abrasive particles in the amount of 0-18% (column 2, lines 47-56), which are used for further facilitating the cleaning of surfaces by improving the removal of stubborn soils, like dirt, (column 2, lines 47-48).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to employ the amount of 0-18% abrasive particles of Lohr in the wiping cleaner article of JP'700 motivated with the expectation that the abrasive particles would improve the removal of dirt from substrates as describes by Lohr (see cite in above paragraph). Regarding the method claims 20 and 28, it would have been obvious to one of ordinary skill in the art at the time the invention was made to clean a substrate with the claimed impregnated article since the steps are conventional in the cleaning art.

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Regarding particle size of the abrasive particles and the amount of detergent, it would have been obvious to one of ordinary skill in this art to optimize the size of the abrasive particles since dirt or soil removal would be improved by the appropriate selection of the size of the particles, see Feig column 1, lines 34-64, and the amount of the detergent used in combination with each other. Applicant's arguments regarding the amount of abrasive particles has been considered but is not persuasive since Lohr encompasses the amount of abrasive particles as presently claimed, 0-18 %. Regarding applicant's argument of scratches, the Examiner disagrees because this would depend upon the shape of the abrasive particles relative to the surface or substrate to be cleaned, see Wong column 6, lines 3-10.

18. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John J. Guarriello whose telephone number is 703-308-3209. The examiner can normally be reached on Monday to Friday from 8 am to 4 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Terrel Morris, can be reached on (703) 308-2414. The fax phone number for the organization where this application or proceeding is assigned is 703-305-5408.

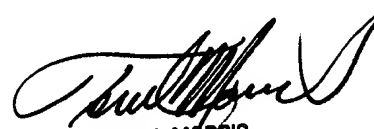
Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.



John J. Guarriello:gj

Patent Examiner

September 16, 2002



TERREL MORRIS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1700